

Record

44  
25

Lepidoptera p 1  
mosquitos p 100 (1905)

## Lepidoptera

Eggs of *Adoneta bicolorata*, ♀ from Tugm, NC 3 pm  
July 28-29 1905. Mated in cage at Washington, D.C.  
July 28-29 1905. Eggs night July 29-30.

July 20-21, 1900. Eggs singly or in little groups of 3 to 8 partly overlapping elliptical, colorless shiny, flat, normal the surface faintly reticulate. Yolk from white opaque central mass with transparent rim. Size  $1.4 \times .8$  mm., rather large egg.

On leaf shiny transverse lines with smooth skin during dry weather.

② moderate, all elevated. Skin granular indicated  
and whitish green in membranes. Dorsal spines (1) faintly  
elevated; the cores of the large sd. hairs slightly whitish. Elevated  
areas of the skin and the bases of the hairs

joined; the cores of the large ones were elliptical flattened rounded grayish, whitened behind than in front, downy flat. Sample weak: others reached 1.9 mm in diameter. No sign of color. Later when

Aug 24, terpened behind and narrow flattened. no sign to black white thick area under long hairs 0 3-5, 8, 10-11. Head area 29 (IV) elongate flattened terpened behind, the ends

Aug 25 1.8 to shw shed Aug 29 (14) elong. narrow, rope  
26 1.8 " "  
27 6.8 " "  
28 1.8 " "  
Truncate, sitting a little curved. Horns 0 round, large,  
Measuring 3 1/2" & 11 1/2" 13 small, not yet produced

Integument 3-3 8 mm. short hairs of 6-7. 9-10 mm. well spined, and so strongly associated to the neighboring ones. Horns ⑤

strongly oppressed area is in the small, unequal. Skin densely granular, depressed, becoming slightly distended, varicose, a little whitish.

(new sample) depressed spaces //, as new, have a translucent greenish, a narrow white line along the edge, the latter being slightly yellowish tinted with

① the whole length. Horns varying from 1 to 2 mm. in length. A trace of sinus shading at the ends of the body. Setae? Max. at 27 mm. Head fixed to blade? Another

Sept 2. Live at 2. p.m. and ~~had~~ <sup>had</sup> no <sup>time</sup> to <sup>get</sup> <sup>it</sup> <sup>out</sup>  
" 9 3.4 cat Sept 3, 3 mm. has traces of <sup>wood</sup> the yellowish white O band is  
" 10 3.6 " broken into <sup>wood</sup> <sup>long</sup> <sup>oblique</sup> <sup>lines</sup> under the long lines O  
" 22 "

" 11 3.8 " broken with 6 shorting & 2 long. " 12 3.8 to sh. elsewhere faint. there is a fine linear white streak a. 2 mm. broken - more dist. centrally, dividing the space which (1) dots. between these marks on

" 15 4.2 cut A slight purplish infiltration in d. sp. between these marks on 6-7 and 9-10. Both 2.8 and 3.0 to 9th Sept 4. Same as got the yellow 6-7 and 9-10. Both 2.8 and 3.0 to 9th Sept 4. Same as got the yellow

are but the d. line scarcely and no gills.  
" 19 " toads  
" 21 4.5 by 10.5  
Sept 7 (1) elongate, flattened, tapered behind, the

1 hours of 13 about 2/3 as long as over  
Quibquel, 6, 7, 9, 10 very small 2 hours 3, 5 moderate,  
fins white along the sides,

the rest small, green, which are in  
others yellow with a yellowish white sd band  
in the space between the

below them narrowed in the spaces between the under the d. sp. which is esp. elliptically widened

at the short horns 6-7, 9-10. A broken white line 11 dots greenish impressed. A slight purple

infiltration all along d. sp. between the marks.   
This is a rare to mod. 3.8. The other are

Sept 12. settled in a corner to moon. 3.0. with marks also to shed and only 3.9 mm. Two

others got to be 4.1 and 4.2 also to shed. Same appear  
shed Sept 14 Horns ① 13 distinctly elongated into tails, longer  
 than ① 12. Elliptical, sides wide centrally and flattened  
 dorsum very, straight narrow. Horns moderate, the short  
 ones ① 6, 7, 9, 10 distinct, separate, almost as large as the  
 ② horns of which 3, 4 are shorter but hardly longer than 6.  
 Green, at ridge hardly yellow, narrowed at horns, horns  
 curving d. sp. to expand there apparently. A broken white  
 d. line touching white dots (1), d. sp. partly purple filled.  
 Broken yellow line beneath ② horns. Other yellow, dots 2, 3  
 slightly red tipped. Spines black. Skin densely, justly gran-  
 ular. Get depressed spaces now fairly as large kidney  
 shaped hollows, concolorous.  
shed Sept 20 and ate whole leaf.

1379

q 39610 Moody M. Aug 18-19 1905. Elliptical, narrowed  
 at anterior, all bluntly rounded, no flattening,  
 rounded and with a broad raised white ring which is  
 very elliptical and less broad or dorsal arc than  
 ventral one. Soft yellow green, not shiny, the ellipse  
 contrasting white. Caudal, somewhat tilted oblique,  
 in reticulation, streaked by gillnish green. 1 x .6 x .5

39610  
*Emmoxia*  
*autesignaria*



39610

Emomos  
autesignatus

others got to be 4.1 and 4.2 also to shed. Some appear  
shed Sept 14 Horns ① 13 distinctly elongated into tails, longer  
 than ① 12. Elliptical, sides wide centrally and pointed  
 dorsum long, straight narrow. Horns moderate, the short  
 ones ① 6, 7, 9, 10 distinct, separate, almost as large as the  
 ② horns of which 3, 4 are shorter but usually longer than 6  
 Green, 2d ridge broadly yellow, narrowed at 3rd horns  
 crossing d. sp. to expand there apparently. A broken white  
 d. line touching white dots (1), d. sp. partly purple filled.  
 Seven yellow lines beneath ② horns. Other yellow dots of 3  
 slightly red tipped. Spines black. Skin densely faintly gran-  
 ular. Fat depressed spaces now faint as large kidney  
 shaped hollows, concolorous.  
shed Sept 20 and ate white leaf.

1379

by ♀ 39610 Moody Mg. Aug 18-19 1905. Elliptical, narrowed  
 and anterior end all sharply rounded, not flattened,  
 rounded and with a broad raised white ring which is  
 sharp, elliptical and lies toward a dorsal arc (2a)  
 a ventral one. Soft yellow green, not shiny, the ellipse  
 contrasting white. Caudal, somewhat pointed, sharp and  
 no reticulation, streaked by gill-like glans. 1 X .6 X .5

1380

Dr. Kung's cactus worn. *Cophidryas cosyra* Drue  
 One in alcohol Sept. 1905. Hd. 4.2 mm. about  
 as high as wide, rounded, a little gradually  
 angled, thick vertical notch slight & large  
 reaching  $\frac{1}{2}$  to vertex with moderate para's  
 and large epistoma white with many black  
 spots composed of conjoined dots, in this & only  
 on the setae but the para's entire block  
 a black area over ocelli surrounded by white,  
 and a moderate white space in a line over  
 vertices of lobes. Body cylindrical, robust, joint 12  
 enlarged. Feet normal, stout, rather short,  
 tubercles very large, somewhat elevated in  
 the centers, black shiny; normal 18 by best,  
 14-15 of them well separated two of which  
 detached & smaller. Shield undifferentiated to  
 the feet and add. leg plate shiny black.  
 Body mostly fleshy brown in the incisures, else  
 white, white dotted with black the white  
 encircling the tubercles. D. 3d & 8-9 white  
 bands, indistinct-irregular edged, cutting the  
 brown intersegment or only slightly inter-  
 rupted there. A line dotted with black  
 on the rays, oblique toward the ends, the  
 d. 3d yellowish white the 8-9 pure white  
 anal feet white black dotted. Spine-like  
 black. Setae long, very coarse and stiff,  
 white. Tector immaculate, first color  
 the insides of the legs whitish.

[See other book]

6

0  
1  
2  
3  
4  
5

7

Mosquitoes

T1 Tupper Lake, N.Y. 3 larvae in a rock pool on Island in Lake near water. Shorby found them. Taken T-1

T2 N.Y. larvae in swampy places with reeds and in pools by the road full of algae (territans) Isolated 1-2, 3-6

T3 N.Y. In roadside pool in woods full of leaves. Isolated 1, 2, 3-5

T4 Road puddles Aug 4. Larvae and eggs pupae.

T5 N.Y. Aug 4 in a swampy clearing in the woods Isolated 1-2

T6 In a hole of permanent water near Tupper Lake reservoir full of tadpoles. Aug 5

T7 Atopoles in I-II in rock hole below upper lake level near Sargeant's cottage Aug 7. Hd rounded, eyes round small, hairs single, eggs breaker triangular, raised in a transparent area, otherwise not erect,  $\frac{1}{2}$  head, a single hair at middle. Darkly infuscated anterior pale, uniform. The cold colorless with long hairs hair as far as 5th abd 6-7 with one short pale one. Tail large thick subcircular near uniform, about  $2\frac{1}{2} \times 1$ , the tip  $\frac{1}{3}$  infuscated. Pecten of spine teeth running to infuscation above, the hair of teeth near middle, comb of 8 set a single row of scales. Anal set with dorsal plate & terminal hair. Anal gills dark uniform about  $2 \times$  segments. Tracheae linear, wavy in the 2g. and bent within the tube.

T8. Lyon Lake N.Y. Aug 9 1905. Eggs like Culex eggs but in a mass of jelly in swamp with Sagomia etc. Mass flat, like a disk eggs in irregular spiral separated by jelly. Every block, spiral shaped. (absorb)

T9. grassy puddle in field, Elizabethtown N.Y. Aug 8 1905. Warm water not in the woods. sylvestris & aedes?

T10 Cobble Hill in caves pool Elizabethtown N.Y. Aug 8 1905 a few pupae and 1 larva (T10.1) of absorbine some gutter jacks (Corethra) and whales (Eucorethra) and a lot of little larvae, sylvestris et al (T10.11)

T11 Lyon Lake N.Y. Aug 9 1905. Swamp with central open pool and grassy edges, with T8. Isolated territans (T11.1), sylvestris (1) in edge pools (T11.11) and Melanurus, 3 in I and one in III (T11.11) but they all died coming home

T12 Lyon Lake N.Y. Aug 9 1905. Big sphagnum swamp full of Vaccinium, moss and pitcher plants & dead trees. Isolated territans (1), 1, 2, 3-4, 5, 6 <sup>again</sup> <sub>territans</sub>

T13 Lyon Lake N.Y. Aug 9 1905. With rusty springy pool at foot of railroad embankment. came out sylvestris and restuans

T14 Bull Pond swamp, Tupper Lake Aug 11 1905, also Aug 12. Isolated 1-2 territans and melanurus Aug 23 Isolated 3(1), 4 restuans?, 5 sylvestris? melanurus (pupae to Miss Mitchell Aug 21). More from center pupated Aug 31, 6-7, 8, 9, 10-11, 12-14.

T15 Water hole from overthrown tree near edge of bog of Tupper Lake reservoir Aug 14 1905. 4 larvae with purple encorethra and Corethra. absorbine

T16 Stage I in a spring pool near Tupper Lake reservoir Aug 19 1905. Several, all in I. Stab Aug 21 = sylvestris

102

103

679<sup>5</sup>/<sub>8</sub>

